

**Assignment 1** - Create a one-page infographic that outlines the SDLC phases (Requirements, Design, Implementation, Testing, Deployment), highlighting the importance of each phase and how they interconnect.

**Requirements phase** : Gather and document the requirement from stakeholders, ensuring clarity on what the software should achieve .

**Design Phase** : Create the architectural design and detailed design of the software based on the requirements, ensuring scalability and maintainability.

**Implementation Phase** : Translate the design into code, following best coding practices and development standards to build the software.

**Testing Phase** : Verify and validate the software against the requirement to identify and fix defects , ensuring the software meets quality standards.

**Development Phase** : Release the software into the production environment, ensuring smooth installation and configuration for end-users.

**Graphical Representation :**

